

IN THE CLAIMS:

1. (Previously presented) An integrated induction battery charge apparatus having a charge end to generate induction magnetic field to charge a plurality of induction charge batteries, comprising:
 - a power supply to provide electric energy;
 - a detection module located on the charge end to detect the charge battery and to generate a start signal when the charge battery is detected;
 - an activation module connected to the detection module for receiving the start signal and turning on a power supply;
 - a first induction module connected to the activation module for transforming electric energy provided by the power supply to magnetic energy through electromagnetic induction;
 - a plurality of second induction modules located with a plurality of relative charge batteries in an integrated manner wherein the second induction modules transform an induction magnetic field generated by the first induction module to induction voltage, the second induction modules including different relative induction coils with different numbers of turns set individually according to a required charge voltage of various charge batteries so that induction voltages meeting requirements of various charge batteries are generated, whereby one

charge dock can charge multiple batteries at various required voltages according to battery specifications;

 a rectification module connected to the second induction modules for rectifying AC voltages generated by the second induction modules by induction to become DC voltages wherein the rectification module can include a bridge rectifier; and

 a filter module connected to the rectification module for improving the waveform of a DC voltage output from the rectification module wherein the filter module includes at least one inductor and at least one capacitor coupled in parallel.

2. (Previously presented) The integrated induction battery charge apparatus of claim 1, wherein the first induction module includes an induction coil.

3. (Original) The integrated induction battery charge apparatus of claim 1, wherein the detection module detects through electromagnetic induction.

4. (Original) The integrated induction battery charge apparatus of claim 1, wherein the detection module detects through piezoelectric induction.

5. (Original) The integrated induction battery charge apparatus of claim 1,
wherein the activation module includes metal oxide semiconductor switches.

6-13. (Cancelled).